

Mearthane Durethane F DF-245A Closed Cell Foam Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced , Rubber or Thermoset Elastomer (TSE)

Material Notes:

TDI backbone: ester. Shore 00 Hardness: 90 Summary: Durethane F is chemically blown urethane closed cell foam. Mearthane can custom formulate Durethane F, varying the physical properties (coefficient of friction, abrasion resistance, hardness and density) to suit various application. The rebound can be formulated for resiliency or energy absorption. Applications: Applications for Durethane F include self-cleaning paper feed rollers, retard pads, conveyor belts, bumpers shock absorbers and timing belts. Conductivity: All Durethane elastomers can be formulated to be electrically conductive, for applications involving electrostatic dissipation (ESD). Mearthane's proprietary conductivity process does not comprise the material performance specification of the urethane. Information provided by Mearthane Products Corporation.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mearthane-Durethane-F-DF-245A-Closed-Cell-Foam-Polyurethane.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D3574A

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	ASTM D2240
Tensile Strength, Ultimate	69.0 MPa	10000 psi	ASTM D3574E
Elongation at Break	400 %	400 %	ASTM 3457E
100% Modulus	0.00110 GPa	0.160 ksi	
Compressive Yield Strength	0.540 MPa	78.3 psi	at 10% deflection; ASTM D3574C
	0.600 MPa	87.0 psi	at 20% deflection; ASTM D3574C
	1.02 MPa	148 psi	at 30% deflection; ASTM D3574C
Resilience	36	36	Bashore Rebound; ASTM 2632D
Tear Strength Test	137	137	lb; Die C; ASTM 3457F

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